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## WHAT IS CLAIMED IS:

- 1. A lock assembly for securing a printed circuit assembly to a housing comprising:
  - a pivot point for coupling the lock assembly to the housing; and a lock member capable of rotating and snapping into a detent in the printed circuit assembly to hold the printed circuit assembly in place.
  - 2. The lock assembly according to Claim 1 wherein: the lock member is constructed from sheet metal.
  - 3. The lock assembly according to Claim 1 wherein:
    the lock member couples to the housing only at the pivot point and is flexible so that the lock assembly applies a pre-load to the printed circuit assembly.
  - 4. The lock assembly according to Claim 1 wherein: all components of the lock assembly affix to the housing so that no additional parts or hardware are used to secure the printed circuit assembly.
  - 5. The lock assembly according to Claim 1 further comprising: a finger access detail formed into the lock member.
  - 6. The lock assembly according to Claim 1 wherein: the housing is a hard disk drive housing; and the printed circuit assembly is a hard disk drive printed circuit assembly.
  - 7. An electronic device comprising:
  - a housing; and
  - a lock assembly capable of securing a printed circuit assembly to the housing, the lock assembly comprising:
    - a pivot point for coupling the lock assembly to the housing; and
    - a lock member capable of rotating and snapping into a detent in the printed circuit assembly to hold the printed circuit assembly in place.

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- The electronic device according to Claim 7 further comprising:
   keyways attached to the housing capable of accepting and seating the printed circuit assembly.
- 9. The electronic device according to Claim 8 further comprising: the printed circuit assembly contoured to fit in the keyways and capable of being secured by the lock assembly.
- 10. The electronic device according to Claim 7 wherein: the lock member is constructed from sheet metal.
- 11. The electronic device according to Claim 7 wherein: the lock member couples to the housing only at the pivot point and is flexible so that the lock assembly applies a pre-load to the printed circuit assembly.
- 12. The electronic device according to Claim 7 wherein: all components of the lock assembly attach to the housing so that no separate parts or hardware are used to secure the printed circuit assembly.
- 13. The electronic device according to Claim 7 further comprising: a finger access detail formed into the lock member.
- 14. The electronic device according to Claim 7wherein: the housing is a hard disk drive housing; and the printed circuit assembly is a hard disk drive printed circuit assembly.
- 15. A method for securing a printed circuit assembly to an electronic device comprising:
  - coupling a lock assembly to a housing so that the lock assembly can be rotated through an extended position and a retracted position;
  - providing a printed circuit assembly configuration that is capable of fitting over keyways coupled to the housing;

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inserting the printed circuit assembly in alignment with the keyways with the lock assembly in the retracted position; and

rotating the lock assembly over the printed circuit assembly and securing the printed circuit assembly.

- 16. The method according to Claim 15 further comprising:
- snapping the lock assembly into a detent in the printed circuit assembly to hold the printed circuit assembly in place.
- 17. The method according to Claim 15 further comprising:

locking the printed circuit assembly into place via a single piece lock assembly that is integral with the housing so that no separate parts or hardware are required to secure the printed circuit assembly.

- 18. The method according to Claim 15 further comprising: applying a preload to the printed circuit assembly that secures the printed circuit assembly to the housing.
- 19. The method according to Claim 15 wherein: the housing is a hard disk drive housing; and the printed circuit assembly is a hard disk drive printed circuit assembly.
- 20. An electronic device comprising:
  means for housing electronic and/or electromechanical components;
  means for securing a printed circuit assembly to the housing means;
  means for pivotally coupling the securing means to the housing means so that the securing means can be rotated between an extended position and a retracted position; and

means for keying the printed circuit assembly to the housing means.